

MFA 0206

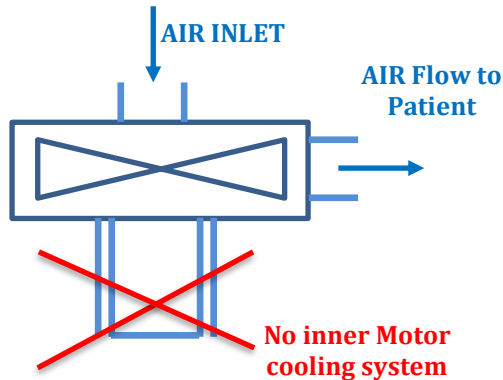


Naked Blower designed for specific integration

An AIRFAN turbine's naked architecture

The MFA0206 is designed for implementation on ventilators dedicated to Home Care and Bi-Level using O₂ injection before the turbine.

It's derivative from the MFA0205 without inner motor cooling system

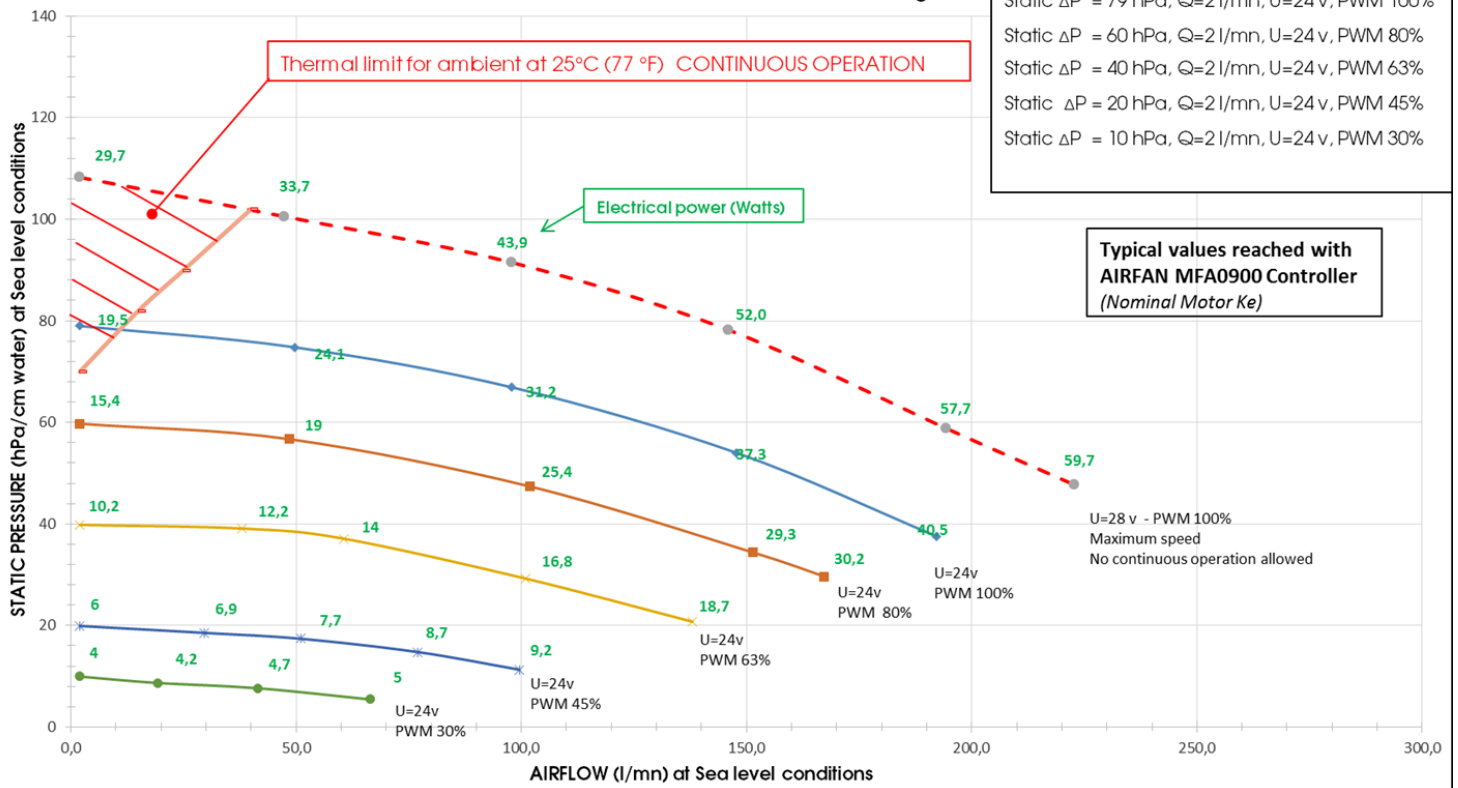


Voltage supply	24 VDC, can be customized
Motor type	Brushless with Hall-effect sensors
(*) Dynamic behaviour (3 A Max)	< 95 ms from 5 hPa to 60 hPa < 41 ms from 5 hPa to 30 hPa
(*) Dynamic behaviour (6 A Max)	< 88 ms from 5 hPa to 60 hPa < 35 ms from 5 hPa to 30 hPa
(*) Dynamic behaviour (10 A Max)	< 84 ms from 5 hPa to 60 hPa < 31 ms from 5 hPa to 30 hPa
Dimensions (mm)	Ø55 x 55 mm (Ø2,2 x 2.2 Inch)
Weight	0.1 kg (~0,22 Lb)
Position in operation	Any position
Temperature in operation	-20°C to 50°C ambient
Humidity in operation	0 to 95% RH non condensing
Atmospheric pressure in operation	700 to 1100 hPa
Life Time (L10)	> 25 000 hours at Airfan standard conditions Depending on the integration conditions
(*) Behaviour measured with AIRFAN Controller MFA0900	

Static ΔP at 30 l/min	Vibration Level	Noise Level W/O Blower Inlet at 1m
60 hPa	< 0.20 g	< 67 dBA
30 hPa	< 0.10 g	< 61 dBA
10 hPa	< 0.02 g	< 53 dBA

MFA0206 Model

Static ΔP vs Airflow at Constant PWM and Motor Voltage



Static ΔP = 108 hPa, Q=2l/mn, U=28 v, PWM100%
 Static ΔP = 79 hPa, Q=2l/mn, U=24 v, PWM 100%
 Static ΔP = 60 hPa, Q=2l/mn, U=24 v, PWM 80%
 Static ΔP = 40 hPa, Q=2l/mn, U=24 v, PWM 63%
 Static ΔP = 20 hPa, Q=2l/mn, U=24 v, PWM 45%
 Static ΔP = 10 hPa, Q=2l/mn, U=24 v, PWM 30%

Typical values reached with AIRFAN MFA0900 Controller (Nominal Motor Ke)

AIRFAN is **ISO9001** and **ISO13485** certified and is perfectly suited to meet the quality and cost optimization requirements coming from manufacturers of medical equipment. Tens of thousands of our turbines operate 24 hours/day, 365 days/year at the heart of demanding health care respirators.



AIRFAN

ZI En Jacca
9 Chemin de la Salvetat
31770 COLOMIERS
France
Tel : + 33 (0)5 34 50 45 50
www.airfan.fr

Contact:

Laurent ROUVIERE
laurent.rouviere@airfan.fr